UTILITY PATENT APPLICATION . TRANSMITTAL

Attorne	ey Docket i	No.	31978-201641		
First In	First Inventor Kats		suhiko YANAGIHARA	PT	
	DETECT	ION (OF NUCLEIC ACID SEQUENCE VARIATIONS	USING O	

Title PHAGE MU TRANPOSASE

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Express Mail Label No.

APPLICATION ELEMENTS						Commission	ner for Patents	22
			ADDRESS	S TO:				
See MPEP chapter 600 concerning utility patent application contents. 1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. Applicant claims small entity status. See 37 CFR 1.27. 3. Specification [Total Pages 40] (preferred arrangement set forth below) - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure				ADDRESS TO: Box Patent Application Alexandria, VA 22313-1450 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper (3 pages) c. Statements verifying identity of above copies ACCOMPANYING APPLICATIONS PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 C.F.R.§3.73(b) Statement Power of (when there is an assignee) Attorney 11. English Translation Document (if applicable)				
5. Oath or l a. b. i. 6. App. 6a. Pric. Appln No.	Newly execute Copy from a p (for a continual) DELETION Signed statement named in the p 1.63(d)(2) and olication Data S	(37 CFR 1.63 (d)) vith Box 18 completed) (R(S) ng inventor(s) ie 37 CFR FR 1.76 sions of 35 U.S.C. § 119 arch 28, 2003	12.	Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations Preliminary Amendment Return Receipt Postcard (MPEP 503) (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.				
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) Prior application information: Examiner Group / Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 20. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label Correspondence address below								
Name VENABLE LLP								
Address								
City	City Washington State		D.C.	Zip	Code	20043-9998		
Country	Country U.S.A Telephone		202-344-4000		Fax	202-344-8300		
Name (Pri	Name (Print/Type) Nancy J. Axelrod, Ph.D. Registration No. (Attorney/Agent) 44,014					$\overline{}$		
Signature	Signature Nam AxMwd Date March 26, 2004							

#534645 v1 - Utility Patent Application Transmittal Form (PTO/SB/05) - 31978-201641 PC Docs No. 534645v1



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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.

Complete if Known		
Application Number	To Be Assigned	
Filing Date	March 26, 2004	
First Named Inventor	Katsuhiko YANAGIHARA	
Examiner Name	To Be Assigned	
Group / Art Unit	To Be Assigned	
AU	31078 201641	

TOTAL AMOUNT OF PAYMENT (\$) 1,356.00 Attorney Docket No. METHOD OF PAYMENT (check one) FEE CALCULATION (continued) The Commissioner is hereby authorized to charge 3. ADDITIONAL FEES 1. indicated fees and credit any over payments to: Large Small Entity Entity Fee Deposit **Fee Description** Code (\$) Code (\$) Pald Account 22-0261 1051 130 2051 65 Surcharge - late filing fee or oath Number 1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet. Deposit 1053 1053 Non-English specification 130 130 Account Name 1812 2.520 1812 2,520 For filing a request for reexamination 1804 920* 1804 920* Requesting publication of SIR prior to Under 37 CFR 1.16 and 1.17 Examiner action Applicant claims small entity status. 1805 1,8401 1805 1.840* Requesting publication of SIR after See 37 CFR 1.27 Examiner action Payment Enclosed: 1251 110 2215 55 Extension for reply within first month 1252 420 2252 210 Extension for reply within second □ Credit card Money □ Other Order 1253 950 2253 475 Extension for reply within third month **FEE CALCULATION** 1254 1,480 2254 740 Extension for reply within fourth BASIC FILING FEE month Entity Large **Entity Small** 1255 2010 2255 1005 Extension for reply within fifth month Fee Description 1401 330 2401 165 Notice of Appeal Code (\$) Code (\$) Fee Paid 1402 330 2402 165 Filing a brief in support of an appeal 1001 770 2001 385 Utility filing fee 770.00 1403 290 2403 145 Request for oral hearing 1002 340 2002 170 Design filing fee Petition to institute a public use 1451 1.510 1451 1,510 1003 530 2003 265 Plant filing fee proceeding 1004 770 2004 385 Reissue filing fee 1452 110 2452 55 Petition to revive - unavoidable 1005 160 2005 80 Provisional filling fee 1453 1,330 2453 665 Petition to revive - unintentional 1501 1.330 2501 665 Utility issue fee (or reissue) SUBTOTAL (1) (\$) 770.00 1502 480 2502 240 Design issue fee 2. EXTRA CLAIM FEES 1503 25403 640 320 Plant issue fee Extra Fee from Fee 1460 130 1460 130 Petitions to the Commissioner Claims below Paid 1807 50 1807 50 Processing fee under 37 CFR 1.17 (a) Total Claims 36 -20 16 х 18 288 Submission of Information Disclosure 1808 180 1808 180 Independent Stmt 6 3 3 86 х 258 Recording each patent assignment 8021 40 8021 40 per property (times number of 40.00 Multiple Х 0 0.00 Dependent properties) 1809 770 2809 385 Filing a submission after final rejection Entity Large Small Entity (37 CFR § 1.129(a)) Fee Fee Fee Description 1810 770 2810 385 For each additional invention to be Code (\$) Code (\$) examined (37 CFR § 1.129(b)) 1202 2202 18 9 Claims in excess of 20 1201 2201 43 Independent claims in excess of 3 1801 770 2801 385 Request for Continued Examination (RCE) 1203 290 2204 145 Multiple dependent claim, if not paid 1802 900 1802 900 Request for expedited examination * Reissue independent claims over of a design application 1204 86 2204 43 original patent ** Reissue claims in excess of 20 and 1205 2205 18 over original patent Other fee (specify) SUBTOTAL (2) (\$) 546.00

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SUBMITTED BY Complete (if applicable)						
Name (Print/Type)	Nancy J. Axelrod, Ph.D.	Registration No. Attorney/Agent)	44.,014	Telephone	(202) 344-8334	
Signature	Noming	Axerd	_	Date	March 26, 2004	



*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$) 40.00

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